

UNIVERSITY OF WYOMING

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College of Engineering
and Physical Sciences
Chemistry



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Physical Science Building
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As the new head of the chemistry department, I wanted to introduce myself and provide an update on the department. First, I personally wanted to thank Debashis Dutta for his time serving as the previous department head. His leadership helped prepare us for an exciting future including our recent transition to the College of Engineering and Physical Sciences (CEPS). This transition has already led to several exciting new initiatives for our students and faculty in both research and teaching projects.

After 13 years at UW, I started my headship in July of 2023 which coincided with the department moving to the College of Engineering and Applied Sciences. While change can bring stress, I feel like the college and Dean Wright have been very supportive helping us through the transition. This includes rebuilding the department after several recent retirements including Ed Clennan, Carla Beckett, and Bruce Parkinson. Their service to the department and commitment to educating our students has provided a shining example for the young faculty who hope to continue in their path. As part of our rebuilding process, we hired two new tenure track organic faculty members in the past two years, Xuesong Li in 2023 and Tak Suyama in 2024. In addition, we hired Indrajit Bandyopadhyay in 2023 as an Assistant Lecturer and general chemistry lab coordinator.

The department still has the traditional areas of focus including inorganic, organic, physical and analytical, however many projects and research groups continue to become more interdisciplinary and collaborating across these traditional fields. A few key areas of research that our department is heavily involved with include computational chemistry, nuclear chemistry, and materials chemistry.

One of our young faculty members, Laura de Sousa Oliveira, recently received a DOE career award! Her research utilizes computational tools to investigate inorganic materials and their thermoelectric properties. She takes advantage of the amazing computational resources available at UW for her research and implements them into her coursework to ensure our students are receiving state-of-the-art education.

Another young faculty member, Caleb Hill, recently established the Nuclear Energy Research Center (NERC) which is supported by the School of Energy Resources. This center's mission is to support the development of nuclear focused research and curricula at UW. These research areas include several Wyoming specific topics like uranium recovery, rare earth element separations, and novel materials for nuclear applications.

This center is supported by BWXT, Idaho National Laboratory, and Terra Power. As part of this center, Caleb is coordinating the construction of a nuclear chemistry core facility at UW and received funding from the Nuclear Regulatory Commission (NRC) to hire a nuclear energy focused research faculty.

Several chemistry faculty have been working with the administration at UW to improve the research infrastructure including the addition of a new Bruker D8 Venture single crystal diffractometer, ThermoFisher Helios Focused Ion Beam-Scanning Electron Microscope (FIB-SEM), and a ThermoFisher Talos Transmission Electron Microscope (TEM). These instruments are housed in the newly developed Center for Advanced Scientific Instrumentation (CASI) and provide our students with cutting edge scientific instrumentation.

As department head, I have been committed to increasing our connections to both high schools and community colleges across Wyoming. Elliott Hulley is leading our NSF funded Research Experience for Undergraduates (REU) program which brings in WY community college students for a 10-week research experience. Many of these students matriculate to UW to complete their bachelor's degree and continue to conduct research in the chemistry department upon arrival at UW. Several of these students have gone onto careers in chemistry including obtaining their PhD!

I have also reestablished our high school student tours at UW. This spring, we hosted a group of students from Natrona County High School and demonstrated several instruments from our teaching and research laboratories. As part of the tours, we tested some aspirin samples synthesized by the students to help confirm its purity and any side products from the reaction. It is always great to host these students and alumni who are currently teaching across our great state.

With funding from our donors, we have been able to establish more programming geared towards our students. The highlight of the year is our annual graduate student poster session each spring where the students get to socialize and present the results of their research projects. This event has been a huge success, providing a platform for collaboration and networking opportunities well beyond our department. In addition, our graduate students have reestablished the student ACS chapter at UW. They host coffee social hour every Thursday on the 4th floor of the Physical Science Building as well as demos at the farmer's market. These outreach activities help show the public the value and excitement of chemistry and encourage young students to think about a career in chemistry. The WY local section of the American Chemical society recently hosted a regional ACS meeting in Laramie in September of 2023. Several grad students and undergrads from our department presented their research via posters and oral presentation with financial support from department to cover registration fees. The ACS national meeting is in Denver in the fall of 2024, and we are looking forward to sending several students to this meeting as well.

Whether you were a student who personally received support for attending a conference or a friend of the department, we ask you to give back to the chemistry department through either the George Kamburis Excellence Fund which directly supports graduate students or to the chemistry department fund which also heavily supports student recruiting, events, and travel to conferences. Your previous support of our students and department has made a significant difference in the level of education we can provide to our students and enhance their overall experience. We want to thank you for your ongoing commitment to the University of Wyoming Chemistry Department. Together we can show students from around the world what it means to be part of the Cowboy family.

Go Pokes

Department of Chemistry

Brian Leonard

Department Head / Professor
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In the past year, Zhou's group research focused on the growth of ceria-based mixed oxides and ceria-supported metal particles as well as on the detailed characterization of their physical and electronic properties for their applications in dry reforming of methane. The group is thankful for the financial support of these research projects from National Science Foundation and the School of Energy Resources at UW. Zhou's group has four graduate students (Rosa Melinda, Nishan Paudyal, Tasnim Ara, and Jintao Miao). We would like to congratulate Nishan who successfully completed the preliminary exam for his PhD study this spring. The group welcomed Rosa this fall and would like to congratulate her for the newly awarded Science Initiative Graduate Student Fellowship from UW. Congratulations to Jintao on his patent work that was finalized this April. The group enjoyed the visit of Prof. Ye Xu from Louisiana State University for collaborative work. In addition to manuscript and patent work, the group presented research findings as posters and presentations at local, regional, and national ACS and AVS meetings



Jing Zhou
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Like everyone else, our research group faced many challenges during the COVID-19 pandemic and the following years. Our work came to a standstill in spring 2020 due to the uncertainty of the situation, made worse by equipment breakdowns and delayed repairs. Despite these obstacles, we managed to continue research on several projects, including imaging mass spectrometry of biological samples, studying the lipids and metabolites of bacteria and bees, and a challenging project to measure the molecules released by plant roots, known as root exudates. Our lab built new equipment to perform molecular imaging using our high-resolution Orbitrap Mass Spectrometer. This device, called a MALDESI source, lets us measure the molecular composition across a tissue section with great mass precision and down to 50 micrometers, allowing us to map the distribution of lipids and carbohydrates in bumblebees or root exudates in plant roots. Our ultimate goal is to understand how climate change affects the metabolic health of these important pollinators and the health of forests and crops.

During these last 4 years several group members have graduated: Andrew Goodenough (Ph.D., imaging MS), Banani Mondal (Ph.D., bee metabolomics and lipidomics), Kalpana Subedi (Ph.D., microbial proteomics), and Jens Knudsen (MS, Proteomics and Chemical Education). Current members of the Basile lab include Hunter Taylor (bee metabolomics and lipidomics), Brandon Saiz (plant-microbiome-soil proteomics), and Nilay Saha (imaging-MS, bees and plant root exudates). Please check out the group pictures and current research projects in the group website at:

<http://www.uwyo.edu/basileresearchms/index.html>

Franco Basile

Professor
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As a lecturer and lab coordinator in organic chemistry, I have spent the past year teaching the Organic Chemistry I and II sequence while also overseeing the associated teaching laboratories. A few years ago, I transitioned to a flipped classroom teaching style, which has proven effective for organic chemistry instruction. Students not only find it enjoyable but also benefit from a deeper understanding of challenging concepts. I am grateful for the support in the classroom provided by Learning Assistants (LAs) through the Science Initiative. LAs are students who have successfully completed the course in the past and now assist their peers by answering questions and providing hints during group problem-solving sessions. Given the large class sizes (around 100 students), their assistance is invaluable. To ensure that LAs are well-prepared for their role, we hold weekly meetings to discuss the concepts covered in class. Additionally, LAs are required to enroll in a pedagogy course that equips them with insights into effective teaching within an active learning environment. In the labs associated with the lectures, students gain essential hands-on experience in organic chemistry. The use of bright colors, color changes, and chemiluminescence keeps students engaged during experiments. Recently, I secured funding for new polarimeters, which will be used to study the optical rotation of chiral compounds in future lab sessions.

During the summer, I plan to redesign our current lab manuals, making the experiments more engaging and exploration-based to enhance student learning in the lab. This initiative will be supported by a NASA Faculty Education Grant.

I am excited to continue introducing our students to the challenges and joys of organic chemistry, providing a thorough and enjoyable learning experience.

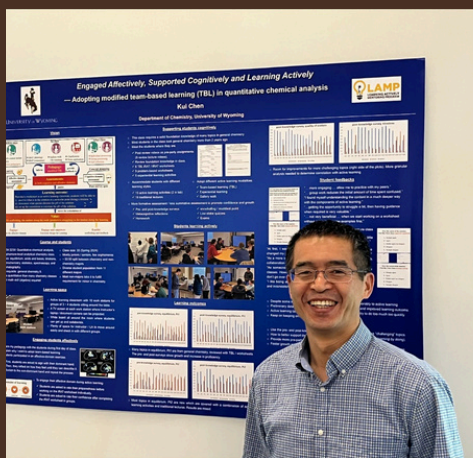
Ginka Kubelka

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Kui Chen

Assistant Lecturer
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I have been participating in LAMP (Learning Actively Mentoring Program) over the last year. This is a year-long program during which we attended in-person camp, workshops as well as completed online activities to become familiar with different active learning modalities. As part of the LAMP program, I transitioned my CHEM 2230 (Quantitative Chemical Analysis) class this spring semester to an active learning class, adopting the modified team-based learning pedagogy. The 2023 LAMP cohort graduated yesterday (Friday, May 3rd). As a capstone, each participant presented a final poster at a culminating celebration and LAMP graduation event. The event was held in the Science Initiative Building room 2010.

**We'd like to hear from you!
If you'd like to share your news
in the next newsletter,
please email us at:
Chemistry@UWYO.edu**

CHEMISTRY

2024 Graduate Internships



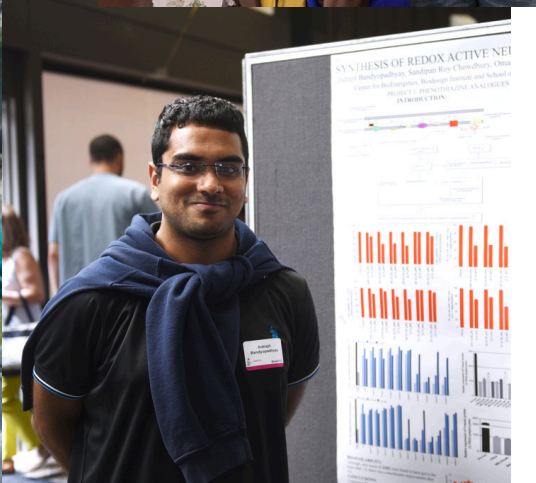
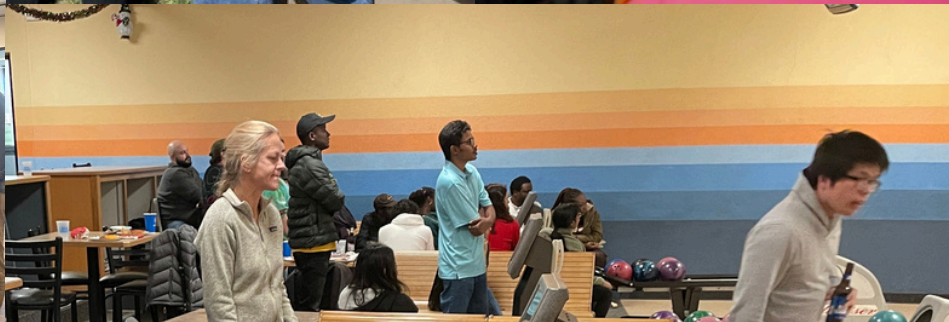
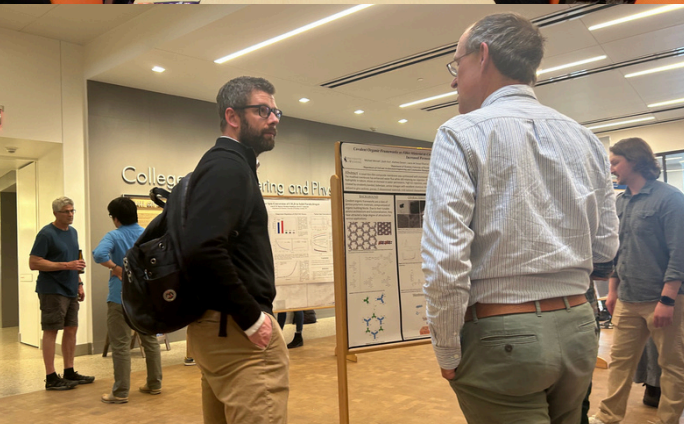
Roshni Ramakrishnan
Graduate Research Assistant

I got an internship offer for a Process Engineer Intern position at Lam Research, located in Tualatin, Oregon, for a duration of 6 months. The internship is starting in mid-May. During this time, I will work with the R&D group to develop electrodeposition methodologies for the LAM SABRE 3D system. I am excited about this opportunity and eager to contribute to the team.

John Samuel
Graduate Research Assistant

I got an internship offer as a Wet Process PDE in the Non-Volatile Memory Technology Development group at Micron Technology located in Boise, Idaho for a duration of 12 weeks. During this time, I will work with Equipment Engineer, Process Integration Engineers, Fab metrology and surface science laboratories to characterize residues, and/or contaminants pre and post wet nitride strip and proffer efficient cleaning chemistries for current and future technologies. I am excited about this opportunity and look forward to learning and contributing to the development of new technologies.





New Faculty & Staff

I am very excited to join the chemistry department at the University of Wyoming this fall! I was born and raised in Tokyo, Japan, but went to college at Oregon State University in the US, where I worked on marine sponge alkaloid synthesis as an undergraduate. I obtained my PhD in organic chemistry from the Scripps Institution of Oceanography at University of California, San Diego under Dr. William Gerwick. I thoroughly enjoyed the challenge of working on natural product total synthesis, natural product discovery, and applying synthetic techniques to structure and biosynthesis elucidation. Then I went back to Oregon State University to do postdoctoral research at the college of pharmacy, working on natural product synthesis and medicinal chemistry with Dr. Kerry McPhail and Dr. Mark Zabriski. For the last 7 years, I've worked at a small rural liberal arts college in Pennsylvania, developing my own research agenda with the help of undergraduate research students and funding from the NSF. I am fundamentally interested in medicine and natural products. With my background in organic synthesis, my current research agenda focuses broadly on biocatalysis. I'm interested in direct application of engineered biocatalysts to synthesis of medicinally promising natural product scaffolds. I am also fascinated by the idea of designing biocatalysts for carrying out bio-orthogonal reactions that aid in the selective delivery of a drug. I look forward to forming unique collaborative relationships and working with both graduate and undergraduate research students in my new lab at UW. I am also excited about exploring what nature has to offer in Wyoming, ranking every local coffee shop, and contributing to building a community (a softball team, anyone?).



TAKASHI SUYAMA

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XUESONG LI

Assistant Professor

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Xuesong Li currently is the assistant professor of organic chemistry at the Department of Chemistry. Prior to it, he worked as a postdoc researcher/group manager at Northwestern University after left from Washington University in St Louis. He obtained his dual PhD degrees from University of Bordeaux in France and University of Liege in Belgium respectively.

Since joining UW in August 2023, Xuesong's research group has fortunately encompassed seven great researchers, including one postdoctoral researcher, one visiting scholar, three graduates and two undergraduate students. Xuesong and his research group have been focusing on organic, supramolecular and polymer chemistry. Specifically, they are attempting to utilize organic chemistry as a tool to design and synthesize certain types of supramolecules that are capable of presenting unique properties, allowing themselves to catalyze a variety of reactions, including asymmetrical synthesis and polymerizations. The resulting products will be the building blocks for cutting-edge (bio)materials.

New Faculty & Staff

Geetha Bolla is currently a postdoc fellow department of physical sciences, University of Wyoming, USA, previously at University of Alabama, Oct 2023 to March 2024. Working under DOE grant, Prof Robin D Rogers research group, which is titled as Exploring the Nature of f-Element Soft Donor Interactions Using Electronically Tunable Azolate Ionic Liquids. Exploring and deep understanding of how f-elements interact with moderately soft donors (including during hydrolysis reactions), which is of prime importance towards nuclear fuel processing and fundamental inorganic chemistry. Hence she has been working towards the isolation of unprecedented N-coordinated Ce(III) and Nd(III) complexes. Since the grant is recently transferred to the University of Wyoming, she moved over there last April and it is now easy to work with our collaborator Prof. Thomas Albrecht-Schönzart at the Colorado School of Mines is about 3 h drive away. This year 2024 her main motivation of research is to develop the crystallization of new N-donor plutonium complexes, Am(III) and establishing the Actinide lab Facility at UW physical sciences building. We, thus plan to synthesize complexes with transuranic metal centers starting with Pu(III) analogs of our Ce(III), Nd(III) structures followed by Am(III) analogs structures.

She was postdoc fellow at Ben-Gurion University, Israel (2019–2022). She has worked as an INDO-US Fellow at Massachusetts Institute of Technology (2017–2018), and at the National University of Singapore (2018–2020). A short time research fellow ICCAS Beijing (2016–2017). She obtained her B.Sc. and M.Sc. degrees in organic chemistry from Andhra University, India with distinction and was awarded a Ph.D. degree from University of Hyderabad in 2016 India. Her current research interests are on the design, crystallization, crystallization of f-block elements, ionic liquids, green chemistry approaches and sustainable chemistry. Previous experience in pharmaceutical cocrystals, organic semiconductors and optoelectronics, heterogeneous nucleation, and smart photo- and thermo-salient materials. The main driving motivation in her research is solid-state chemistry and crystallization towards real life applications in health care and material science. Understand the crystallization in different aspects of the science, pharma drugs, guanine, biological crystals, photosalient materials, cocrystals, polymorphs, lanthanides crystallization, ionic liquids, overall crystallization and crystal engineering of the smart materials. Sustainable crystallization methods. The experience which she had gain during her postdocs and Ph.D she would like to use to lead a successful independent research career in academics, teaching for young science students in the future.

Geetha Bolla
Post Doc
gbolla@uwyo.edu



New Faculty & Staff



Indrajit Bandyopadhyay

Assistant Lecturer
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Hi there! I'm Indrajit Bandyopadhyay (Dr. Bandy for short)! I completed my early education in India after which I came to the United States in the year 2014 to pursue grad school. After completing my Ph.D. in Arizona, I worked as an instructor in the same state for four years. Thereafter, I changed gears and went back to doing research, this time in Canada. Finally, I secured a job as an Asst. Lecturer here in Wyoming. Outside work, I love travelling a lot. During my adventures, I like getting involved in photography, numismatics and trying out different cuisines. At home, during my leisure, I sometimes dig into English and Bengali (my native language) literature. I also possess a predilection towards cooking, but my wife (who shares an equal liking for it) has taken over that department in recent times. I love being a part of the small-town culture of Laramie, Wyoming and wish to remain here for my future career.

I'm Tricia! My family moved from Rock Springs last summer. I met my husband, Ryan, in high school, and we just celebrated our twentieth wedding anniversary! We have a seven-year-old named Augustus (Gus). Our family is completed by our two spoiled cats, Pan and Nyx, and a goldfish named Pigeon, whom I find myself talk about to way too often!

Like many others, our lives changed drastically during the pandemic. Ryan became a stay-at-home dad to our son and a full-time student. What began as him quickly earning an associate degree evolved into us selling our home of sixteen years and moving to Laramie for him to pursue his Bachelor's Degree in Chemistry. I had hoped to work at the college, imagine our surprise when I landed a position as an office associate in the chemistry department!

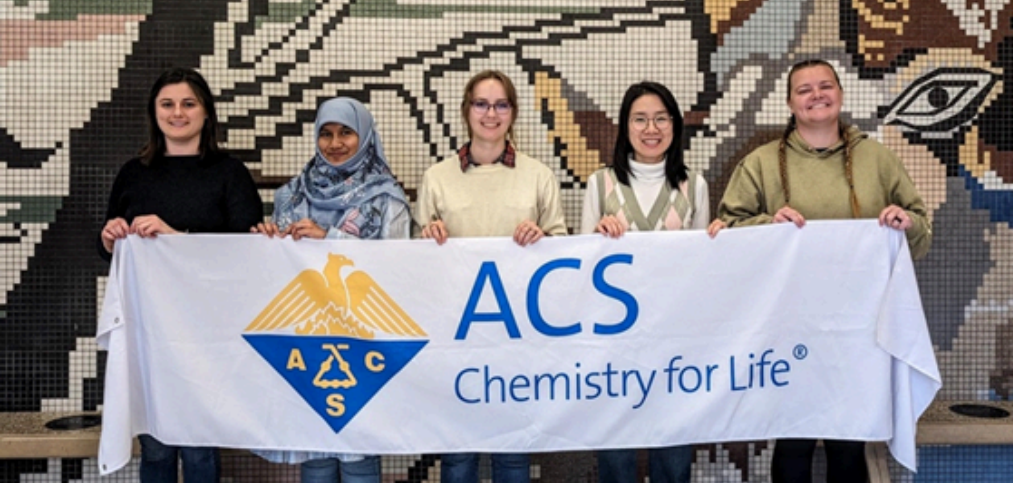
Gus attends Snow Range Academy and is obsessed with the local Ninja gym, LEAP. Ryan is a computer gamer and spends most of his time playing or studying. Cooking is one of my favorite activities, along with watching and reading anything related to horror, especially zombies. I am teaching myself how to sew and will talk about it nonstop if you let me! Laramie has been a perfect fit for us, and we're thrilled to call it home.



Patricia Olson

Office Associate Senior
polson3@uwyo.edu





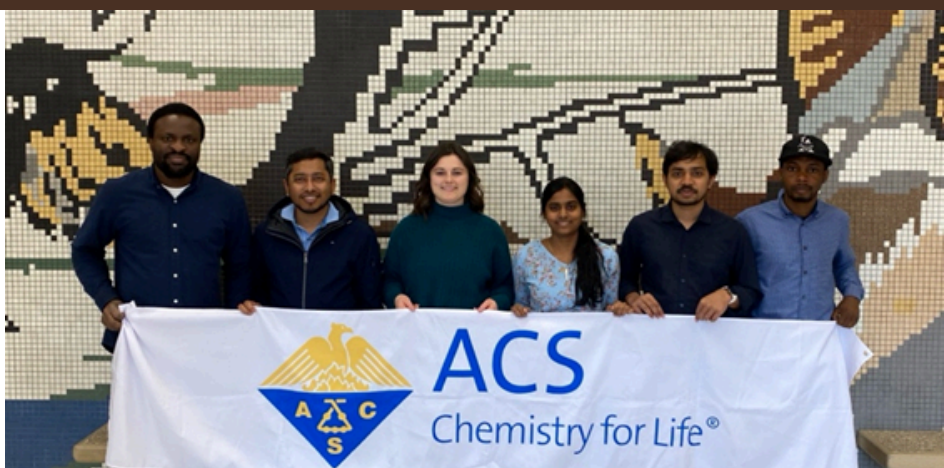
2024-2025 WY ACS Graduate Affiliates Chapter Executive Committee

Pictured Left to Right:
Veronica Shuger, Tasnim Ara,
Alathea Davies,
Anh Nguyen, Kira Kirkham

Thank you to the previous Executive Committee of the Wyoming ACS Graduate Affiliates Chapter and all their hard work getting the organization up and running and we look forward continued growth under the new Executive Committee! The goal of this organization is to foster a stronger sense of community within the Chemistry Department at the University of Wyoming, as well as build connections and create opportunities within the field of chemistry for our members. If you are interested in hearing more about upcoming events or would like to get in touch with us, please reach out to us at wyacsgraadaffiliates@outlook.com.

2023-2024 WY ACS Graduate Affiliates Chapter Executive Committee

Pictured Left to Right:
John Samuel, Manjur Hossain, Veronica Shuger, Roshni Ramakrishnan, Ibrahim Muddasser, Felix Gboyero



**RMRM 2023 was held September 15-17th, 2023
in Laramie, WY at the University of Wyoming Convention Center**



The Anderson group has been busy studying chemical reactions in solid hydrogen at liquid helium temperatures (1.5 to 4.3 K) to better understand how chemistry occurs under these extreme low temperature conditions. The team currently consists of three graduate students, Ibrahim Muddasser, Anh Nguyen, and Elvis Gyamfi. Ibrahim is in his fourth year and has most recently been studying chlorine atom diffusion in solid hydrogen. Ibrahim is looking for a postdoc and writing up this summer, he presented his latest findings on the $\text{H} + \text{CO} \rightarrow \text{HCO}$ reaction at the National ACS Conference in New Orleans this spring. Anh is in her third year and just recently completed a study on the nuclear spin conversion of CH_3D in solid hydrogen. This summer Anh is participating in the Nuclear Innovation Bootcamp on campus to learn more about nuclear energy's role in today's energy landscape. Elvis is in his first year and is starting out on the diborane (B_2H_6) project which involves in situ photodissociation and recombination of the BH_3 photofragments which is really cool to observe at 1.5 K. This summer we also have a number of undergraduates working in the group. Will Gerdes and Zach Zenefski both took undergraduate physical chemistry II this spring with Dr. A, so they decided to learn more about low temperature chemistry. We also have William Dechert who is an undergraduate from Central Wyoming College who is participating in the 10-week summer Chemistry NSF Research Experience for Undergraduates program. This summer the team is conducting some photochemical experiments on B_2H_6 in solid hydrogen, but then we will switch to solid deuterium where we expect the mobility of BD_3 to be much reduced. In early July, right after Dr. A's oldest daughter gets married in Laporte, CO, Dr. Anderson is going to Sapporo, Japan to present research results from the group at a chemistry conference on low temperature physics and chemistry.

We always like to hear from group members who have moved on to bigger and better things. Dr. Paul Raston (2003–2007), who was an Assistant Professor at James Madison University, just moved to the University of Hawaii. We hope Paul doesn't spend all his time surfing, but he is also dad to two young kids. Dr. S. Cassie Kettwich (2006–2010) is now Dr. Cassie Ostlund, she has three kids and has been living abroad for the past several years because her husband is in the Air Force. Cassie emailed recently that she hopes to return soon to the US and will settle down in Harrisonburg, VA because that's where her husband is from. Morgan Balabanoff (2014–2018) is a chemistry professor at the University of Louisville where she is pursuing research on chemistry education. Morgan enjoyed teaching while she was in the group (when the FTIR was not working) and now she is one of the leading researchers in chemical education. Kelly Olenyik was an extraordinary master's student who now is a research coordinator in the Department of Chemistry at the University of Washington. Kelly recently emailed that she is applying for an interdisciplinary individual PhD related to studying ways to improve the sustainability of their materials science research program. We will forever be grateful to Kelly for writing the excel macros that allow us to convert FTIR spectra into kinetic data.

David Anderson
Professor
danerso@uwyo.edu





Picture: The group, here “bubble” sorted by height. From left to right: Laura de Sousa Oliveira (PI), Alison Jensen (Mechanical Engineering), Alatheia Davies (Chemistry PhD), Taylor Kelsey (Chemistry), Oreoluwa Adesina (Chemistry PhD), Masoumeh Mahmoudi Gahroeuei (Chemistry PhD), Nikiphoros Vlastos (Chemistry and Physics), and Emmanuel Odogwu (Chemistry).

The Computational Design of Inorganic Materials Lab started the academic year 2023/2024 in great spirits after the PI, Prof. Laura de Sousa Oliveira, received a DOE Early Career Award to investigate thermoelectric performance in two-dimensional metal–organic frameworks. In an exciting turn of events, the grant announcement coincided with the birth of the PI’s daughter. What an auspicious start for Fall 2023!

Two graduate students in the Lab published their first first-author articles this year. Masoumeh Mahmoudi Gahroeuei published her work on a Benchmark Investigation of SCC-DFTB against Standard and Hybrid DFT to Model Electronic Properties in Two-Dimensional MOFs for Thermoelectric Applications, in the ACS (American Chemical Society) Journal of Chemical Theory and Computation, and Alatheia Davies published her paper on the Computationally Directed Manipulation of Cross-Linked Covalent Organic Frameworks for Membrane Applications, in Physical Chemistry Chemical Physics, also an ACS journal. Alatheia Davies has also been the recipient of a School of Computing Graduate Scholar Award, to start in Fall of 2024. Nikiphoros Vlastos will start the upcoming year as a Wyoming Research Scholar, following on Alison Jensen’s footsteps who will be a Wyoming Research Scholar for the second year in a row.

Alatheia, Masoumeh, and Oreoluwa have already presented their research at one conference this year, the Spring 2024 Materials Research Society meeting, which took place in Seattle, WA, and are looking forward to the Foundations of Molecular Modeling and Simulation meeting, in Snowbird, Utah, in July. Also in the plans for the summer: our team will join other faculty and students (several in chemistry!) as instructors at UW’s High School Summer Institute Program.

Laura de Sousa Oliveira
 Assistant Professor
Laura.deSousaOliveira@uwyo.edu

CONGRATULATIONS GRADUATES

2023 – 2024

Doctor of Philosophy (PH.D.)

- Akash Sarkar
- Andrew Goodenough
- Banani Mondal
- Chloe Tolbert
- Daniel Braedt
- Joseph McBride
- MD Maksudur Rahman
- Nicholas Kuehl
- Rajesh Deb
- Samantha Harris

Bachelors

- | | |
|----------------------------------|-----------------------------------|
| • Aaron Hardee <i>CHEM</i> | • Emmanuel Odogwu <i>CACS</i> |
| • Adriauna Butler <i>CHEM</i> | • Erin McDonald <i>CACS</i> |
| • Amanda Lynch <i>CHMA</i> | • Gideon Buchanan <i>CHEM</i> |
| • Audrey Byrd <i>CHEM</i> | • Jeremy Duncan <i>CHMA</i> |
| • Blane Smith <i>CHEM</i> | • Jordan Klaassen <i>CHEM</i> |
| • Brendan Lowry <i>CHEM</i> | • Keaton Weissmiller <i>CHEM</i> |
| • Brock Emmerich <i>CHMA</i> | • Kimberlee Suple <i>CHEM</i> |
| • Cailin Brugger <i>CHEM</i> | • McKella Stigers <i>CHEM</i> |
| • Cameron Clay <i>CHEM</i> | • Nathaniel Gustafson <i>CHEM</i> |
| • Claire Duffee <i>CACS</i> | • Nicholas Bard <i>CACS</i> |
| • Cole Ryerson <i>CHEM</i> | • Nicholas Martin <i>CACS</i> |
| • Darian Lewis <i>CHEM</i> | • Pierce Bernard <i>CHEM</i> |
| • David Spurlock <i>CHEM</i> | • Remy Policicchio <i>CHEM</i> |
| • Declan McDonald <i>CHEM</i> | • Ryan Reynolds <i>CACS</i> |
| • Dillon McLean <i>CHEM</i> | • Sage Montana <i>CHEM</i> |
| • Dominic D'Agostino <i>CHEM</i> | • Samantha Harris <i>CHEM</i> |
| • Emma Muller <i>CACS</i> | • Taylor Kelsey <i>CHEM</i> |



Congratulations



Caleb Hill

Associate Professor
caleb.hill@uwyo.edu

Caleb Hill and Kristin Di Bona received the
P3 American Chemical Society Award
(Partners for Progress and Prosperity)

Kristin Di Bona received the E. Ann Nalley Award
for Volunteer Service to the American Chemical
Society (E. Ann Nalley Regional Awards for
Volunteer Service)



Kristin Di Bona

Adjunct Professor
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Navamoney Arulsamy

Associate Research Scientist
arulsamy@uwyo.edu

**Navamoney Arulsamy received the
Promoting Intellectual Engagement (PIE) Award**

**This is awarded to instructors who inspire excitement,
inquiry and autonomy in first-year courses.**



Dean Roddick

Professor Emeritus
dmr@uwyo.edu

**Dean Roddick, silver medal winner in
the 2024 USTAF Outdoor Championship
Men's Discus Throw**

**39.47m
129' 6"**

Robin Rogers

Adjunct Professor
robin.rogers@525solutions.com

**Dr. Robin D. Rogers moved his Department of Energy, Basic
Energy Sciences grant to UW from Alabama to support the new
actinide lab space going into Physical Sciences**

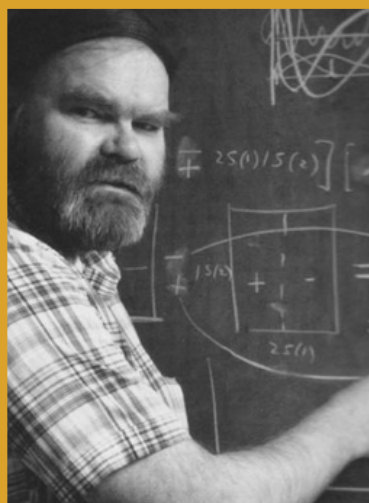


IN MEMORIAM

The UWYO Chemistry Department mourns the loss of the alumni, friends, faculty, staff and students who have passed away. Although they no longer grace us with their presence, we hold them in our hearts and minds as we cherish the memories of the times spent together.



Gustav Dinga
1922– 2024



Clyde Kay Edmiston
1937– 2023



Gerald Wayne Klein
1939–2023



William "Bill" Kruggel
1940–2024



Christopher M. Barnes
1969–2023



Charles Allen Patman
2004–2023



First and last name

Address

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Preferred e-mail address

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Foundation**

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☐ Chemistry General Donation Fund

Scholarship Funds:

- | | |
|--|---|
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| ☐ Howard Heady Scholarship Fund (Chemistry) | ☐ Hans Peter Richert Memorial Fund |
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| ☐ Rebecca Raulins Undergraduate Research Fund | |

Other funds:

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